

Applicants : Philip O. Livingston and Friedhelm Helling
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cont

ganglioside to Keyhole Limpet Hemocyanin or a derivative thereof and a carbohydrate derivable from the bark of a Quillaja saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier, wherein the ganglioside is selected from the group consisting of GM2, GM3, GD3, GD3 lactone, O-acetyl GD3 and GT3.--

F2

--67. (Amended)

A method of preventing or treating a cancer in a subject which comprises administering to the subject an effective cancer preventing or treating amount of the composition of claim [1] 53.--

F3

--73. (New)

A composition comprising a ganglioside conjugated through the ceramide portion of the ganglioside to Keyhole Limpet Hemocyanin or a derivative thereof and a carbohydrate derivable from the bark of a Quillaja saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier, wherein the conjugation of the ganglioside is through a ceramide-derived carbon.--

--74. (New)

A composition comprising a ganglioside conjugated through the ceramide portion of the

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ganglioside to Keyhole Limpet Hemocyanin or a derivative thereof and a carbohydrate derivable from the bark of a Quillaja saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier, wherein the conjugation of the ganglioside is through a carbon derived from a cleavage of a double bond in the ceramide portion of the ganglioside.--

75. (New)

A composition comprising a ganglioside conjugated through the ceramide portion of the ganglioside to Keyhole Limpet Hemocyanin or a derivative thereof and a carbohydrate derivable from the bark of a Quillaja saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier, wherein the conjugation of the ganglioside is through a carbon derived from a ceramide double bond to Keyhole Limpet Hemocyanin or a derivative thereof.--

76. (New)

A composition comprising a ganglioside conjugated through the ceramide portion of the ganglioside to Keyhole Limpet Hemocyanin or a derivative thereof and a carbohydrate derivable from the bark of a Quillaja

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saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier, wherein the conjugation of the ganglioside involves a ceramide double bond of the ganglioside and a reactive amine group of Keyhole Limpet Hemocyanin or a derivative thereof.--

--77. (New)

A composition comprising a ganglioside conjugated through the ceramide portion of the ganglioside to Keyhole Limpet Hemocyanin or a derivative thereof and a carbohydrate derivable from the bark of a Quillaja saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier, wherein the conjugation of the ganglioside involves a ceramide double bond of the ganglioside and an aminolysl group of Keyhole Limpet Hemocyanin or a derivative thereof.--

REMARKS

Claims 53-72 were pending in subject application. Applicants have hereinabove canceled claims 54 and 58 without prejudice to applicants right to pursue the subject matter in a later-filed application. Applicants have hereinabove amended claims 53 and 67. Support for new claims 73-77 may be found inter alia in the specification on page 32, line 1 to page 33, line 10. Applicants contend that this amendment does not involve any issue of new